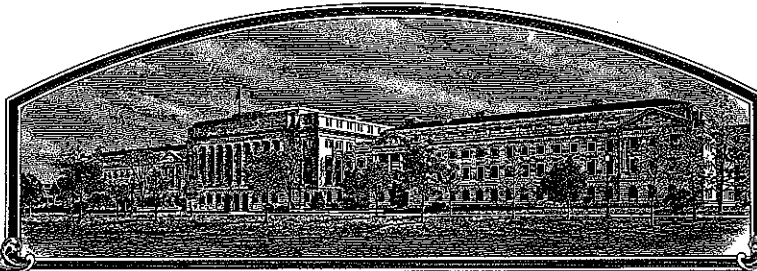


No.

200600240



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Syngenta Seeds, Inc.

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC FURNISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR PROPAGATING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE FOREGOING PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. IN THE UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMERICAL GENERATIONS SPECIFIED BY THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

WHEAT, COMMON

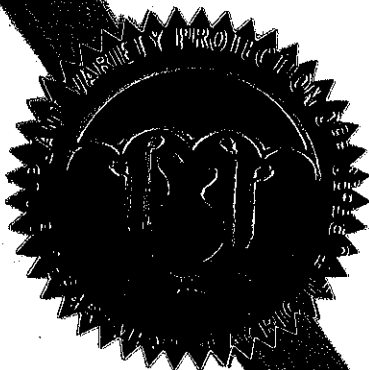
'AgriPro Paladin'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this eleventh day of December, in the year two thousand and six.

Attest:

[Signature]
Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

[Signature]
Secretary of Agriculture



U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE
APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE
(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF OWNER Syngenta Seeds, Inc.		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER W96-355, W96-355m	3. VARIETY NAME AgriPro Paladin
4. ADDRESS (Street and No. or RD No., City, State, Zip Code, and Country) 6515 Ascher Road Junction City, Kansas 66441		5. TELEPHONE (include area code) 785-210-0218	FOR OFFICIAL USE ONLY PVPO NUMBER 200600240 FILING DATE July 13, 2006
		6. FAX (include area code) 785-210-0231	
7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM ORGANIZATION (corporation, partnership, association, etc.) Corporation	8. IF INCORPORATED, GIVE STATE OF INCORPORATION Delaware	9. DATE OF INCORPORATION 2000	
10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. (First person listed will receive all papers) Dr. Rollin Sears 6515 Ascher Road Junction City, Kansas 66441		FILING AND EXAMINATION FEES: FEE \$ 3652.00 ^① 730.00 ^② RECEIVED DATE 7/13/06 8/14/2006 CERTIFICATION FEE: \$ 768.00 DATE 10/24/2006	

Copy to : **Chris Bruns**
PO Box 30
Berthoud, CO 80513
rbruns@frii.com

11. TELEPHONE (Include area code) 785-210-0218	12. FAX (Include area code) 785-210-0231	13. E-MAIL rollin.sears@agripro.com	
14. CROP KIND (Common Name) Hard Red Winter Wheat	16. FAMILY NAME (Botanical) Gramineae	18. DOES THE VARIETY CONTAIN ANY TRANSGENES? (OPTIONAL) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
15. GENUS AND SPECIES NAME OF CROP Triticum aestivum	17. IS THE VARIETY A FIRST GENERATION HYBRID? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	IF SO, PLEASE GIVE THE ASSIGNED USDA-APHIS REFERENCE NUMBER FOR THE APPROVED PETITION TO DEREGULATE THE GENETICALLY MODIFIED PLANT FOR COMMERCIALIZATION.	
19. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse) a. <input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety b. <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness c. <input checked="" type="checkbox"/> Exhibit C. Objective Description of Variety d. <input checked="" type="checkbox"/> Exhibit D. Additional Description of the Variety (Optional) e. <input checked="" type="checkbox"/> Exhibit E. Statement of the Basis of the Owner's Ownership f. <input checked="" type="checkbox"/> Voucher Sample (2,500 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public repository) g. <input checked="" type="checkbox"/> Filing and Examination Fee (\$3,652), made payable to "Treasurer of the United States" (Mail to the Plant Variety Protection Office)		20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? (See Section 83(a) of the Plant Variety Protection Act) <input checked="" type="checkbox"/> YES (If "yes", answer items 21 and 22 below) <input type="checkbox"/> NO (If "no", go to item 23) 21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, WHICH CLASSES? <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED	
23. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U. S. OR OTHER COUNTRIES? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please use space indicated on reverse.)		22. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, SPECIFY THE NUMBER 1,2,3, etc. FOR EACH CLASS. <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED (If additional explanation is necessary, please use the space indicated on the reverse.)	
25. The owners declare that a viable sample of basic seed of the variety has been furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate. The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act. Owner(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.		24. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.)	
SIGNATURE OF OWNER NAME (Please print or type) Dr. Rollin Sears		SIGNATURE OF OWNER NAME (Please print or type)	
CAPACITY OR TITLE R&D Manager	DATE 6/5/06	CAPACITY OR TITLE	DATE

(See reverse for instructions and information collection burden statement)

will be held in the PVPO for not more than 90 days, then returned to the applicant as unfilled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. **DO NOT** use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$432 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office

Telephone: (301) 504-5518

FAX: (301) 504-5291

Homepage: <http://www.ams.usda.gov/science/pvpo/pvp.htm>

200600240

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority and provide evidence that name has been cleared by the appropriate recognized authority before the Certificate of Protection is issued. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, 10301 Baltimore Avenue, Suite 401 NAL Building, Beltsville, MD 20705. Telephone: (301) 504-5682 <http://www.ams.usda.gov/lsg/seed.htm>.

ITEM

- 19a. Give:
- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
 - (2) the details of subsequent stages of selection and multiplication;
 - (3) evidence of uniformity and stability; and
 - (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 19b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
- (1) identify these varieties and state all differences objectively;
 - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 19c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 19d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 19e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
20. If "Yes" is specified (*seed of this variety be sold by variety name only, as a class of certified seed*), the applicant **MAY NOT** reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (*See Regulations and Rules of Practice, Section 97.103*).
23. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
24. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.

22. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)

The variety 'AgriPro Paladin' will be constituted from Breeders seed, and proceed through Foundation, Registered and Certified in succeeding generations. Generations which may be multiplied will be limited to Breeders seed, Foundation, Registered and Certified.

23. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

Limited quantities of Foundation seed were made available in September of 2005. Certified seed stocks of AgriPro Paladin will be available in the Fall of 2006.

24. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. The fees for filing a change of address; owner's representative; ownership or assignment; or any modification of owner's name is specified in Section 97.175 of the regulations. (*See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.*)

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5864 (voice and TDD). USDA is an equal opportunity provider and employer.

Exhibit A.
Origin and Breeding History of AgriPro Paladin

AgriPro Paladin was an F3 derived, single plant selection from the cross: WI90-008 (Mesa / Abilene) / W91-040 [Roazon / Wrangler // Vona / W76-1141 (Nadadores 63 / CO652643 // Centurk)]. The final cross for AgriPro Paladin was made in 1992 and the plant selection based upon plant height, fertility and the absence of leaf rust was made in Berthoud, Colorado in 1994. The resulting F3:4 plant row was tested in preliminary yield trials in 1995 and advanced on the basis of uniform plant height and the absence of leaf rust and soilborne mosaic virus symptoms. The line was given the experimental designation W96-355 and was subsequently tested as a pure-line in replicated trials in 1996 and 1997.

In 1997, 48 head rows were grown in Berthoud, Colorado and evaluated for phenotypic similarity. Twelve rows were selected and grown in 1998 in Berthoud, Colorado as individual progeny plots. A bulk of these twelve rows was used for regional replicated trialing in 1998. Five of the individual progeny were bulk harvested based upon uniformity and different phenotype and tested separately from the original bulk in the Pacific Northwest region from 1998 through 2006. In 1999 a 0.2 acre initial Breeders seed increase of the reselection was grown in Berthoud, Colorado which produced 330 pounds of seed. In 2003 an additional 2.6 acre Breeders seed increase was grown in Colorado which produced 13,288 pounds of Foundation seed.

AgriPro Paladin has been uniform and stable since 2003. Less than 0.8% of the plants were rogued from the Breeder seed increase in 2004. Approximately 90% of the variant plants were taller height wheat plants and approximately 10% were awnletted wheat plants. Up to 0.8% variant plants may be encountered in subsequent generations.

Exhibit B.
Statement of Distinctness

AgriPro Paladin is most similar to the hard red winter wheat 'Abilene'. However, it can be easily distinguished by the following morphological characteristics:

- AgriPro Paladin has a midwide glume width (Lucerne, CO 2004, 2005). Abilene has a narrow glume width (Lucerne, CO 2004, 2005).

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 2.5 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

**U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE DIVISION
BELTSVILLE, MARYLAND 20705**

EXHIBIT C

**OBJECTIVE DESCRIPTION OF VARIETY
WHEAT (*Triticum* Spp.)**

NAME OF APPLICANT(S) Syngenta Seeds, Inc.	TEMPORARY OR EXPERIMENTAL DESIGNATION W96-355, W96-355m	VARIETY NAME AgriPro Paladin
ADDRESS (Street and No. or RD No., City, State, Zip Code, and Country) 6515 Ascher Road Junction City, Kansas 66441		FOR OFFICIAL USE ONLY PVPO NUMBER 200600240

PLEASE READ ALL INSTRUCTIONS CAREFULLY:

Place the appropriate number that describes the varietal character of this variety in the boxes below. Place a zero in the first box (e.g.,

0	9	9
---	---	---

 or

0	9
---	---

) when number is either 99 or less or 9 or less respectively. Data for quantitative plant characters should be based on a minimum of 100 plants. Comparative data should be determined from varieties entered in the same trial. Royal Horticultural Society or any recognized color standard may be used to determine plant colors; designate system used: _____ Please answer all questions for your variety; lack of response may delay progress of your application.

1. KIND:

1

- 1=Common
2=Durum
3=Club
4=Other (specify) _____

2. VERNALIZATION:

2

- 1=Spring
2=Winter
3=Other (specify) _____

3. COLEOPTILE ANTHOCYANIN:

1

- 1=Absent 2=Present

4. JUVENILE PLANT GROWTH:

2

- 1=Prostrate 2=Semi-erect 3=Erect

5. PLANT COLOR (boot stage):

3

- 1 = Yellow-Green
2 = Green
3 = Blue-Green

6. FLAG LEAF (boot stage):

1

- 1 = Erect 2 = Recurved

2

- 1 = Not Twisted 2 = Twisted

2

- 1 = Wax Absent 2 = Wax Present

7. EAR EMERGENCE:

1	4	2
----------	----------	----------

Number of Days (Average)

0	0
----------	----------

Number of Days Earlier Than

* _____

--	--

Same As

* CDC Falcon

Number of Days Later Than

* _____

*Relative to a PVPO-Approved Commercial Variety Grown in the Same Trial

8. ANTER COLOR:

1

- 1 = YELLOW 2 = PURPLE

9. PLANT HEIGHT: (from soil to top of head, excluding awns):

200600240

1	0	4
---	---	---

cm (Average)

0	4
---	---

cm Taller Than

* Declo _____

--	--

Same As

* _____

cm Shorter Than

* _____

10. STEM:

A. ANTHOCYANIN

1

1 = Absent 2 = Present

D. INTERNODE

1

1 = Hollow 2 = Semi-solid 3 = Solid

5

Number of Nodes

B. WAXY BLOOM

2

1 = Absent 2 = Present

E. PEDUNCLE

1

1 = Erect 2 = Recurved 3 = Semi-erect

0	0
---	---

cm Length

C. HAIRINESS (last internode of rachis)

2

1 = Absent 2 = Present

F. AURICLE

2

Anthocyanin 1 = Absent 2 = Present

2

Hair: 1 = Absent 2 = Present

11. HEAD: (At Maturity)

A. DENSITY

2

1 = Lax
2 = Middense (Laxidense)
3 = Dense

C. CURVATURE

1

1 = Erect
2 = Inclined
3 = Recurved

B. SHAPE

1

1 = Tapering
2 = Clavate
3 = Strap
4 = Other (specify) _____

D. AWNEDNESS

4

1 = Awnless
2 = Apically awnletted
3 = Awnletted
4 = Awned

12. GLUMES: (At Maturity)

A. COLOR

1

1 = White
2 = Tan
3 = Other (specify) _____

E. BEAK WIDTH

2

1 = Narrow
2 = Medium
3 = Wide

B. SHOULDER

2

1 = Wanting 2 = Oblique
3 = Rounded 4 = Square
5 = Elevated 6 = Apiculate
7 = Other (Specify) _____

F. GLUME LENGTH

2

1 = Short (ca. 7mm)
2 = Medium (ca. 8mm)
3 = Long (ca. 9mm)

C. SHOULDER WIDTH

2

1 = Narrow
2 = Medium
3 = Wide

G. WIDTH

2

1 = Narrow (ca. 3mm)
2 = Medium (ca. 3.5mm)
3 = Lorig (ca. 4mm)

D. BEAK

3

1 = Obtuse
2 = Acute
3 = Acuminate

13. SEED:

200600240

A. SHAPE

1

- 1 = Ovate
2 = Oval
3 = Elliptical

E. COLOR

3

- 1 = White
2 = Amber
3 = Red
4 = Other (Specify) _____

B. CHEEK

1

- 1=Rounded
2=Angular

F. TEXTURE

1

- 1 = Hard
2 = Soft
3 = Other (Specify) _____

C. BRUSH

2

- 1 = Short
2 = Medium
3 = Long

1

- 1 = Not Collared
2 = Collared

0

- 1 = Ivory
2 = Fawn
3 = Light Brown
4 = Dark Brown
5 = Black

G. PHENOL REACTION (See Instructions)

D. CREASE

1

- 1 = Width 60% or less of Kernel
2 = Width 80% or less of Kernel
3 = Width Nearly as Wide as Kernel

H. SEED WEIGHT

N A

g/1000 Seed (Whole number only)

I. GERM SIZE

1

- 1 = Depth 20% or less of Kernel
2 = Depth 35% or less of Kernel
3 = Depth 50% or less of Kernel

2

- 1 = Small
2 = Midsize
3 = Large

14. DISEASE:

PLEASE INDICATE THE SPECIFIC RACE OR STRAIN TESTED

(0 = Not Tested 1 = Susceptible 2 = Resistant 3 = Intermediate 4 = Tolerant)

0Stem Rust (*Puccinia graminis* f. sp. *tritici*)

Field

0Leaf Rust (*Puccinia recondita* f. sp. *tritici*)

Field races

3Stripe Rust (*Puccinia striiformis*)

races

0Loose Smut (*Ustilago tritici*)**0**Tan Spot (*Pyrenophora tritici-repentis*)**0**Flag Smut (*Urocystis agropyri*)**0**Halo Spot (*Selenophoma donacis*)**0**Common Bunt (*Tilletia tritici* or *T. laevis*)**0**

Septoria nodorum (Glume Blotch)

0Dwarf Bunt (*Tilletia controversa*)**0**

Septoria avenae (Speckled Leaf Disease)

0Karnal Bunt (*Tilletia indica*)**0**

Septoria tritici (Speckled Leaf Blotch)

3Powdery Mildew (*Erysiphe graminis* f. sp. *tritici*)

Field races

0Scab (*Fusarium* spp.)**4**

Snow Molds

0

Black Point (Kernel Smudge)

0Common Root Rot (*Fusarium*, *Cochliobolus* and *Bipolaris* spp.)**0**

Barley Yellow Dwarf Virus (BYDV)

0Rhizoctonia Root Rot (*Rhizoctonia solani*)**0**

Soilborne Mosaic Virus (SBMV)

0Black Chaff (*Xanthomonas campestris* pv. *translucens*)**0**

Wheat Yellow (Spindle Streak) Mosaic Virus

0Bacterial Leaf Blight (*Pseudomonas syringae* pv. *syringae*)**0**

Wheat Streak Mosaic Virus (WSMV)

0

Other (specify) _____

0

Other (specify) _____

0

Other (specify) _____

0

Other (specify) _____

0

Other (specify) _____

0

Other (specify) _____

0

Other (specify) _____

15. INSECT:

(0=Not Tested; 1=Susceptible; 2=Resistant; 3=Intermediate; 4=Tolerant)

PLEASE SPECIFY BIOTYPE (where needed)

1Hessian Fly (*Mayetiola destructor*)**0**

Other (specify) _____

0Stem Sawfly (*Cephus* spp.)**0**

Other (specify) _____

0Cereal Leaf Beetle (*Oulema melanopa*)**0**

Other (specify) _____

ST-470-06 (4-03) designed by the Plant Variety Protection Office using Microsoft Word

PLEASE SPECIFY BIOTYPE (where needed)

200600240

0

Russian Aphid (*Diuraphis noxia*)

☐

Other (specify)

0

Greenbug (*Schizaphis graminum*) "C"

☐

Other (specify)

0

Aphids

16. ADDITIONAL INFORMATION ON ANY ITEM ABOVE, OR GENERAL COMMENTS:

None

Exhibit D.
Additional Description of AgriPro Paladin

AgriPro Paladin is a hard red winter wheat bred and developed by AgriPro and tested under the experimental designation of W96-355 intended for grain production. AgriPro Paladin is a medium height semidwarf variety in plant height and has white chaff at maturity. It has medium maturity and excellent straw strength. AgriPro Paladin is best adapted to the higher rainfall regions of western Idaho and eastern Washington and irrigated production in the southern Snake River region of Idaho and the Basin of Washington.

Juvenile growth habit is semierect. Coleoptile color is white. Plant color at boot stage is blue green at boot stage. Flag leaf is erect and twisted. Waxy bloom is present on the head, stem and flag leaf sheath. Anther color is yellow. Head shape is tapering, middense and awned. Glumes are glabrous, midwide in width and midlong in length with oblique shoulders and acuminate beaks. Seed shape is ovate. Seed crease depth is shallow and width is narrow. Seed cheeks are rounded.

AgriPro Pacific North West Hard Wheat Quality Summary

Year-Loc	Flour/Wheat Quality										Baking Quality																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
	Wht					Mixogram					Bake					Crumb																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
						Peak										Loaf					L-PL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
	Prot	Flr	Norris	Flr	Ash	14%mb	min	Time	HT	Tol.	Abs	Time	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol	cc	Vol

W/CL-

200600240

2005		Almira		Cheney		Connell		Genesee		Walla		Blackfoot		Overloc	
AgriPro Trials		WA		WA		WA		ID		WA		ID			
VARIETY	CLASS	YIELD	TW	YIELD	TW	YIELD	TW	YIELD	TW	YIELD	TW	YIELD	TW	YIELD	TW
BOUNDARY	HRW	87.2	61.2	82.4	61.2	54.1	55.5	52.7	56.8	63.8	56.7	77.1	46.8	69.5	56.4
DECLO	HRW	88.3	63.0	99.6	62.3	48.7	59.1	44.4	53.5	71.5	56.7	93.4	53.9	74.3	58.1
CDC FALCON	HRW	75.3	62.3	45.3	55.6	54.5	59.0	33.3	56.4	46.1	55.8	88.8	54.4	57.2	57.3
Agripro PALADIN	HRW	84.4	63.6	96.0	61.5	47.7	60.8	50.2	55.1	77.7	58.2	78.0	52.4	72.3	58.6
MEAN		89.5	62.8	89.0	60.7	47.7	58.4	55.4	54.7	73.1	57.4	94.2	53.5	74.8	57.9
CV		7.2		7.3		15.4		13.7		9.6		11.5			
LSD		10.6		10.6		12.0		12.4		11.4		17.7			
		AVG	AVG	AVG	AVG	AVG									
		HD	SR	HT	LS	WO									
BOUNDARY	HRW	147.7	6.0	104.0	3.5	4.3									
DECLO	HRW	147.7	5.3	94.0	2.5	3.8									
CDC FALCON	HRW	145.7	8.0	104.0	6.2	4.5									
Agripro PALADIN	HRW	145.7	3.3	98.0	2.5	3.7									

Rating: 1 = best score (resistant, short, strong straw, early, etc.), 9 = worst score (susceptible, tall, weak straw, late, etc.)

2004 AgriPro Hard Red Overlocation Summary															
		Almira		Connell		Moses Lake		Walla Walla		Blackfoot		Genesee		Ovrloc	Ovrloc
		WA		WA		WA (irr)		WA		ID (irr)		ID		Avg	Avg
VARIETY	CLASS	YIELD	TW	YIELD	TW	YIELD	TW	YIELD	TW	YIELD	TW	YIELD	TW	Yield	TW
STEPHENS	SWW	67.6	60.4	82.4	53.6	150.9	60.4	131.5	61.1	131.5	59.3	118.7	55.2	113.7	58.3
MADSEN	SWW	74.8	61.2	84.3	56.0	138.1	61.2	124.9	60.7	129.1	60.4	114.8	56.2	111.0	59.3
TUBBS	SWW	86.1	60.6	80.2	53.8	157.6	60.3	142.7	59.7	141.2	59.0	122.9	55.2	121.8	58.1
BOUNDARY	HRW	94.2	61.9	71.6	56.0	138.1	60.1	132.3	60.1	130.6	61.6	117.6	56.8	114.1	59.4
DECLO	HRW	86.7	62.9	80.9	56.1	137.9	63.6	139.6	62.2	137.5	62.5	119.4	58.1	117.0	60.9
CDC FALCON	HRW	90.3	63.0	51.6	56.0	140.8	63.0	126.5	62.4	133.2	63.0	111.4	57.1	109.0	60.7
JAGALENE	HRW	86.1	64.4	75.2	57.1	155.1	63.8	131.7	63.6	142.3	64.5	118.8	59.3	118.2	62.1
AgriPro Paladin	HRW	81.1	63.7	77.5	57.1	142.9	62.9	116.8	63.0	129.4	62.7	115.2	59.0	110.5	61.4
MEAN		53.0	45.3	79.0	40.5	139.2	45.0	120.5	44.8	132.3	44.8	115.5	41.5	106.6	43.7
CV		13.9		7.9		4.1		4.4		5.6		3.5			
LSD		12.0		10.2		9.2		8.7		12.2		6.6			

2005 WSU HARD WINTER WHEAT TRIAL SUMMARY										
		YIELD (BU/A)								
	VARIETY NAME	ALMIRA	CONNELL	HORSE HEAVEN	LIND	PULLMAN	RITZVILLE	ST. ANDREWS	WALLA WALLA	VARIETY MEAN
Hard Red Common										
	RESIDENCE	109.1	49.3	44.8	53.9	165.9	74.1	80.6	100.0	84.7
	WA7977	118.8	54.6	46.3	47.8	120.8	70.5	92.9	93.0	80.6
	WA7976	123.4	64.7	44.5	52.8	106.2	74.5	98.6	77.3	80.2
	BOUNDARY	98.8	42.5	41.0	48.4	134.9	59.8	88.4	100.1	76.7
	WA7979	107.8	54.6	40.3	43.1	137.2	61.9	76.8	79.6	75.2
	BZ9W96-788-E	93.5	46.9	42.0	42.9	111.2	54.4	87.4	103.4	72.7
	Agripro PALADIN	94.6	47.5	41.4	48.1	115.7	54.6	62.3	100.5	70.6
	W98-344	91.2	51.7	40.7	40.2	135.9	41.2	74.4	84.1	69.9
	DW	107.6	48.3	40.9	41.6	105.5	53.1	68.9	92.1	69.8
	WA7980	100.7	50.2	34.0	36.9	91.2	58.3	80.7	97.8	68.7
	W98-157	99.3	47.7	37.5	37.7	134.7	42.9	55.7	91.3	68.4
	BAUERMEISTER	104.1	50.2	40.6	43.8	78.1	66.8	78.7	82.4	68.1
	WA7978	91.3	47.8	39.4	39.0	120.3	57.0	62.4	81.8	67.4
	W98-263	80.2	46.1	37.5	36.1	120.6	35.1	66.3	90.6	64.1
	Q. HYB 542	85.2	48.6	43.2	45.4	98.0	46.5	77.1	66.2	63.8
	WA7975	91.4	48.4	36.1	43.7	65.9	55.5	81.1	68.5	61.3
	CDC FALCON	67.2	40.8	39.0	43.4	67.4	43.3	74.2	88.9	58.0
	WESTON	96.4	43.4	38.0	41.5	61.9	40.8	73.9	65.2	57.7
	BUCHANAN	81.2	41.9	43.8	43.3	55.2	49.9	70.6	69.7	57.0
	WANSER	71.7	39.2	38.7	41.4	59.0	42.2	65.0	51.1	51.1
	MORELAND	73.6	40.9	31.4	39.7	12.1	36.9	71.4	68.7	46.8
	HATTON	56.8	23.3	29.1	33.3	21.2	37.7	61.5	38.3	37.6
Hard White Common										
	MDM	95.2	42.2	43.6	41.8	106.3	54.9	91.5	73.8	68.7
Soft White Common										
	ELTAN	89.7	54.3	39.3	41.6	99.5	50.4	87.7	77.1	66.7
	MEAN	92.9	46.9	39.7	42.8	96.9	52.6	76.2	80.9	66.1
	CV%	13.9	9.4	7.8	7.7	15.7	11.2	12.5	9.0	13.3
	LSD @ .10	15.3	5.2	3.7	3.9	17.9	6.9	11.2	8.5	3.6

2005 WSU HARD WINTER WHEAT TRIAL SUMMARY										
		TEST WEIGHT (LBS/BU)								
	VARIETY NAME	ALMIRA	CONNELL	HORSE HEAVEN	LIND	PULLMAN	RITZVILLE	ST. ANDREWS	WALLA WALLA	VARIETY MEAN
Hard Red Common										
	BZ9W96-788-E	62.7	59.2	60.7	60.3	61.9	62.0	62.7	60.7	61.3
	WESTON	62.7	60.0	61.8	60.6	60.4	61.5	63.3	59.9	61.3
	DW	62.7	59.3	61.3	60.2	61.1	61.6	62.5	61.0	61.2
Agripro	PALADIN	62.5	59.7	60.9	60.7	60.4	61.9	63.1	60.6	61.2
	W98-344	61.9	59.0	60.6	59.9	61.3	61.6	63.5	59.1	60.9
	Q. HYB 542	62.2	58.9	60.9	59.5	61.1	61.5	62.5	58.9	60.7
	HATTON	60.8	60.2	62.6	61.6	56.9	62.4	62.3	57.2	60.5
	BOUNDARY	62.5	58.2	59.4	59.1	61.2	60.7	62.0	59.4	60.3
	W98-263	62.0	58.6	59.8	59.7	60.5	60.9	61.7	59.3	60.3
	WA7976	62.4	58.5	59.7	59.2	61.9	60.7	60.9	58.5	60.2
	WANSER	61.9	59.0	61.1	60.7	58.8	61.1	62.6	56.4	60.2
	W98-157	61.8	58.1	59.9	59.1	60.8	60.5	62.0	58.8	60.1
	BUCHANAN	61.3	59.3	60.0	58.8	60.3	60.4	60.7	57.9	59.9
	WA7977	62.0	58.0	59.3	58.4	61.8	60.0	60.2	59.6	59.9
	CDC FALCON	60.7	58.6	59.4	58.9	56.6	60.9	62.8	59.3	59.7
	WA7980	61.1	58.3	58.9	58.5	56.9	60.6	62.0	58.4	59.4
	BAUERMEISTER	60.7	58.8	59.2	58.5	58.3	60.4	61.3	56.9	59.3
	WA7975	60.9	58.4	59.2	58.2	59.9	59.4	60.4	58.1	59.3
	WA7979	61.6	56.9	58.1	57.7	60.4	58.7	59.8	58.5	59.0
	RESIDENCE	60.7	55.2	56.5	57.0	61.3	59.4	59.9	58.9	58.6
	MORELAND	60.0	56.7	58.8	57.7	47.8	59.5	62.1	56.6	58.1
	WA7978	61.2	55.6	56.4	55.9	58.6	57.5	59.7	58.9	58.0
Hard White Common										
	MDM	61.5	58.2	59.1	58.2	59.3	59.3	60.9	57.2	59.2
Soft White Common										
	ELTAN	60.1	58.7	58.6	58.9	58.6	59.1	60.3	56.7	58.8
	MEAN	61.6	58.4	59.7	59.1	59.7	60.5	61.6	58.6	59.9
	CV%	1.5	0.7	0.5	0.8	1.3	0.6	0.8	1.6	1.0
	LSD @ .10	1.1	0.5	0.4	0.6	0.9	0.4	0.6	1.1	0.3

2005 WSU HARD WINTER WHEAT TRIAL SUMMARY										
		PROTEIN (%)								
	VARIETY NAME	ALMIRA	CONNELL	HORSE HEAVEN	LIND	PULLMAN	RITZVILLE	ST. ANDREWS	WALLA WALLA	VARIETY MEAN
Hard Red Common										
	Q. HYB 542	12.0	13.7	11.4	13.9	13.3	12.5	10.5	9.6	12.1
Agripro	PALADIN	11.8	13.4	11.5	13.6	12.2	13.2	11.2	9.1	12.0
	W98-263	11.2	13.4	12.0	13.4	12.0	13.1	10.0	8.7	11.8
	WESTON	11.5	13.3	11.3	13.5	12.5	12.8	9.9	9.8	11.8
	W98-344	11.6	12.6	11.3	13.0	12.4	13.7	10.5	8.4	11.7
	WA7975	11.3	13.4	10.4	14.0	13.2	11.0	10.3	9.8	11.7
	WA7978	11.7	13.0	11.3	13.8	12.9	11.4	9.3	10.0	11.7
	WA7980	11.8	14.0	11.7	13.4	12.1	11.6	9.5	9.2	11.7
	W98-157	11.4	12.6	10.8	13.1	12.6	13.2	10.1	8.6	11.6
	BZ9W96-788-E	11.9	12.9	11.0	13.3	11.9	11.1	10.0	8.7	11.4
	CDC FALCON	10.7	12.8	11.1	13.9	12.3	10.8	11.1	8.5	11.4
	DW	11.0	13.8	10.7	13.7	12.1	12.1	9.3	8.6	11.4
	MORELAND	11.3	12.8	10.8	13.6	13.3	12.0	9.1	7.9	11.4
	WANSER	10.5	12.9	10.7	12.9	11.6	12.5	9.7	8.7	11.2
	BOUNDARY	10.7	12.7	9.9	13.3	11.9	11.4	9.1	9.0	11.0
	WA7979	10.9	12.6	10.6	12.7	12.3	11.3	8.3	9.1	11.0
	RESIDENCE	10.5	12.9	11.2	12.5	12.1	10.6	8.4	9.1	10.9
	BAUERMEISTER	10.7	12.6	9.9	13.0	12.2	10.6	8.4	9.0	10.8
	HATTON	10.4	12.6	10.4	13.0	12.5	11.0	8.4	8.1	10.8
	WA7976	10.6	12.6	10.4	12.7	12.2	10.5	8.3	9.2	10.8
	BUCHANAN	11.0	13.2	9.2	13.5	11.3	10.5	8.5	8.2	10.7
	WA7977	10.9	12.3	10.0	13.2	12.0	10.5	8.3	8.6	10.7
Hard White Common										
	MDM	10.7	12.9	9.4	12.7	11.6	11.0	7.9	8.3	10.6
Soft White Common										
	ELTAN	10.1	12.6	10.2	13.0	11.4	10.8	8.5	8.7	10.7
	MEAN	11.1	13.0	10.7	13.3	12.3	11.6	9.4	8.9	11.3
	CV%	6.4	4.9	6.9	3.2	2.3	5.2	7.6	4.1	5.2
	LSD @ .10	0.9	0.8	0.9	0.5	0.3	0.7	0.8	0.4	0.2

USDA RUST RATINGS, Dr. Xianming Chen, Research Pathologist

TABLE XMC0508. STRIPE RUST INFECTION TYPE (IT) AND SEVERITY (%) ON CULTIVARS AND LINES IN THE WINTER AGRIPRO NURSERY (EXP08) AT WHITLOW FARM (LOC04) NEAR PULLMAN, WA AND MT VERNON, WA (LOC05) WHEN RECORDED AT THE INDICATED DATES AND STAGES OF PLANT GROWTH, 2005 UNDER NATURAL INFECTION
SUSCEPTIBILITY TO LEAF RUST (LR) & POWDERY MILDEW (PM) AT MT VERNON ARE MARKED WITH "X".

Rust Screen ID	Variety	Parentage	2005 PLOT	STRIPE RUST			SUSCEPTIBLE TO OTHER DISEASES	
				LOC 04	LOC 05			
				6/13/05	4/22/05	5/24/05		
				Heading	Stem Elong.	Heading	LR	PM
				IT %	IT %	IT %		
1	STEPHENS	NORD DUPREZ/PULLMAN 101	1	-	3/20	2-3/2		
2	MADSEN	VPM/MOISSON//2*/HILL81	2	-	8/40	2/2		
3	TUBBS	/	3	-	8/60	2/10		
4	LAMBERT	/	4	-	2/10	2/2		X
5	WESTBRED 528	WESTBRED 470/MADSEN	5	-	8/100	8/30		
6	BRUNDAGE 96	/	6	-	3-8/40	5/90		
7	BOUNDARY	/	7	-	5/40	2/2		
8	DECLO	/	8	-	2/10	2/2		X
9	CDC FALCON	/	9	-	5/40	3/15		
10	JAGALENE	ABILENE/JAGGER	10	-	8/100	8/80		
11	W96-355	W190-008/W91-040	11	-	8/100	8/90		
186	BOUNDARY	/	186	8/40	2/10	2/5		
187	DECLO	/	187	-	2/5	2/2	X	
188	CDC FALCON	/	188	-	8/80	5/70		
189	JAGALENE	ABILENE/JAGGER	189	-	8/60	8/100		
190	W96-355	W190-008/W91-040	190	-	8/80	8/90		
	PS 279	(SUSCEPTIBLE CHECK)	505	-	8/80	8/100		

* Plants were incidentally killed by herbicide.

TABLE XMC050220. INFECTION TYPE (IT) ON SEEDLINGS (AT LOW TEMPERATURE CYCLE: 4-20 C) AND ADULT-PLANT (AT HIGH TEMPERATURE CYCLE: 10-35 C) OF CULTIVARS OR LINES IN WINTER EXTENSION DISEASE NURSERY (EXP 02) TESTED IN THE GREENHOUSE WITH SELECTED RACES OF *PUCCINIA STRIIFORMIS* F. SP. *TRITICI*.

Entry	VARIETY	CLASS	2005 PLOT	IT on seedlings*					IT on adult-plants**		
				PST-17	PST-37	PST-43	PST-45	PST-106	PST-17	PST-37	PST-45
25	ELTAN	SWH	77	8	8	5	8	7	2,2,3	2,2,3	2,2,3
16	W96-355	HRW	68	(16)8/2	8	5	8	8	2,2,2	2,2,2	2,2,2
6	BOUNDARY	HRW	57	5	8	7	5	8	5,5,5	5,5,5	5,5,5
5	BUCHANAN	HRW	56	5	8	7	5	8	8,8,8	5,5,5	5,5,5
23	BZ9W96-788-E	HRW	75	5	8	5	5	8	8,8,8	8,8,8	8,8,8
22	CDC FALCON	HRW	74	8	8	8	8	8	8,8,8	8,8,8	8,8,8
2	HATTON	HRW	53	8	8	8	8	8		8,8,8	8,8,8
21	Q. HYB 542	HRW	73	7	8	8	8	8	8,8,8	5,8,5	5,8,5
1	WANSER	HRW	52	2	2	2	8	8		8,8,8	8,8,8
3	WESTON	HRW	54	2	2	8	2	2			
	PS 279		61	8	8	8	8	8			

* A single IT indicated a uniform reaction for all plants. If plants had different ITs, the number in the parentheses were the number of plants had the IT before the parentheses.

** Three adult plants were tested in each race test and their ITs were recorded individually.

200600240

WASHINGTON STATE UNIVERSITY RATINGS, John Burns, Extension Agronomist

2004 PERCENT LODGING FOR HARD RED WINTER WHEAT
AT SIX WASHINGTON LOCATIONS

LOCATION

VARIETY NAME	WALLA WALLA	St ANDREWS	ALMIRA	PULLMAN
ELTAN (SWW)	37	0	0	0
AGRIPRO PALADIN	0	0	0	0
BOUNDARY	25	0	0	0
BUCHANAN	100	10	10	30
BZ9W96-788-E	20	0	0	0
CDC FALCON	0	0	0	0
DECLO	0	0	0	0
HATTON	93	0	0	0
Q. HYB 542	25	5	0	5
WANSER	95	10	0	3
WESTON	93	8	13	23

2005 PERCENT LODGING FOR HARD RED WINTER WHEAT AT 9 WASHINGTON LOCATIONS

LOCATION

VARIETY NAME	WALLA WALLA	St ANDREWS	ALMIRA	PULLMAN	MOSES LAKE (IRRIGATED)
ELTAN (SWW)	81	31	0	92	47
AGRIPRO PALADIN	19	0	0	0	3
BAUERMEISTER	84	5	18	90	87
BOUNDARY	28	0	0	25	45
BUCHANAN	90	28	11	96	
BZ9W96-788-E	30	0	0	48	32
CDC FALCON	41	0	0	38	25
HATTON	44	0	0	84	0
Q. HYB 542	92	24	0	86	
WANSER	83	3	0	90	
WESTON	92	0	6	80	

2003 HEADING DATES FOR HARD RED WINTER WHEAT AT FIVE WASHINGTON LOCATIONS

LOCATION

VARIETY NAME	HORSE HEAVEN	LIND	BICKLETON	St ANDREWS	PULLMAN
ELTAN (SWW)	29-May	26-May	7-Jun	4-Jun	10-Jun
W96-355	24-May	23-May	1-Jun	2-Jun	7-Jun
BOUNDARY	30-May	24-May	1-Jun	2-Jun	9-Jun
BUCHANAN	27-May	26-May	7-Jun	4-Jun	10-Jun
QHYB 542	21-May	20-May	31-May	1-Jun	4-Jun
WANSER	23-May	24-May	1-Jun	4-Jun	7-Jun
WESTON	24-May	24-May	2-Jun	1-Jun	7-Jun

2004 HEADING DATES FOR HARD RED WINTER WHEAT AT SIX WASHINGTON LOCATIONS

LOCATION

VARIETY NAME	LIND	ITZVILL	WALLA WALL	St ANDREWS	ALMIRA	PULLMAN
ELTAN (SWW)	19-May	22-May	21-May	3-Jun	14-Jun	17-Jun
AGRIPRO PALADIN	poor emergence	19-May	16-May	2-Jun	13-Jun	14-Jun
BOUNDARY	16-May	20-May	19-May	3-Jun	14-Jun	15-Jun
BUCHANAN	19-May	22-May	21-May	4-Jun	14-Jun	16-Jun
BZ9W96-788-E	15-May	18-May	17-May	31-May	13-Jun	12-Jun
CDC FALCON	14-May	19-May	16-May	30-May	13-Jun	12-Jun
DECLO	16-May	19-May	17-May	1-Jun	14-Jun	15-Jun
HATTON	18-May	20-May	20-May	2-Jun	13-Jun	15-Jun
Q. HYB 542	12-May	15-May	9-May	30-May	13-Jun	12-Jun
WANSER	14-May	19-May	16-May	31-May	13-Jun	12-Jun
WESTON	13-May	17-May	16-May	30-May	13-Jun	12-Jun

2005 HEADING DATES FOR HARD RED WINTER WHEAT AT 9 WASHINGTON LOCATIONS

LOCATION

VARIETY NAME	HORSE HEAVEN	ONNEL	LIND	RITZVILLE	ALLA WAL	St ANDREW	ALMIRA	PULLMAN	MOSES LAKE (IRRIGATED)
ELTAN (SWW)	13-May	15-May	13-May	28-May	22-May	28-May	28-May	10-Jun	21-May
AGRIPRO PALADIN	10-May	11-May	11-May	22-May	18-May	26-May	28-May	9-Jun	21-May
BAUERMEISTER	12-May	16-May	13-May	27-May	22-May	28-May	28-May	10-Jun	25-May
BOUNDARY	10-May	13-May	11-May	24-May	19-May	26-May	26-May	9-Jun	22-May
BUCHANAN	11-May	15-May	12-May	28-May	22-May	28-May	28-May	10-Jun	
BZ9W96-788-E	9-May	11-May	9-May	21-May	18-May	24-May	26-May	8-Jun	19-May
CDC FALCON	11-May	13-May	12-May	23-May	18-May	28-May	28-May	9-Jun	20-May
HATTON	12-May	12-May	12-May	27-May	21-May	28-May	28-May	9-Jun	21-May
Q. HYB 542	8-May	10-May	10-May	20-May	15-May	26-May	26-May	6-Jun	
WANSER	10-May	11-May	11-May	22-May	16-May	26-May	26-May	6-Jun	
WESTON	9-May	11-May	10-May	20-May	17-May	24-May	25-May	6-Jun	

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICEEXHIBIT E
STATEMENT OF THE BASIS OF OWNERSHIP

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). The information is held confidential until the certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S) Syngenta Seeds, Inc.	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER W96-355, W96-355m	3. VARIETY NAME AgriPro Paladin
4. ADDRESS (Street and No. or RD No., City, State, Zip Code, and Country) 6515 Ascher Road Junction City, Kansas 66441	5. TELEPHONE (include area code) 785-210-0218	6. FAX (include area code) 785-210-0231
	7. PVPO NUMBER 200600240	

8. Does the applicant own all rights to the variety? Mark an "X" in the appropriate block. If no, please explain ☒ YES ☐ NO

9. Is the applicant (individual or company) a U.S. national or a U.S. based company? If no, give name of country. ☒ YES ☐ NO

10. Is the applicant the original owner? ☒ YES ☐ NO If no, please answer one of the following:

a. If the original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. National(s)?

☐ YES ☐ NO If no, give name of country

b. If the original rights to variety were owned by a company(ies), is (are) the original owner(s) a U.S. based company?

☐ YES ☐ NO If no, give name of country

11. Additional explanation on ownership (Trace ownership from original breeder to current owner. Use the reverse for extra space if needed):

Please see following page.

PLEASE NOTE:

Plant variety protection can only be afforded to the owners (not licensees) who meet the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 0.1 hour per response, including the time for reviewing the instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600.

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, D.C. 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

Exhibit E.
Statement of the Basis of Applicant's Ownership

The variety for which Plant Variety Protection is hereby sought was developed by John Moffatt, an employee of Syngenta Seeds, Inc. By agreement between employees and Syngenta, all rights to any invention, discovery, or development made by the employee while employed by Syngenta, were assigned to Syngenta Seeds, Inc., with no rights of any kind pertaining to 'AgriPro Paladin' being retained by the employees.

The variety 'AgriPro Paladin' is owned by Syngenta Seeds, Inc.